

gggagtcgac ccacgcgtcc ggttagcctgg tgctctttct c atg gct tca ccc agc 56  
 Met Ala Ser Pro Ser  
 1 5

ctc ccg ggc agt gac tgc tcc caa atc att gat cac agt cat gtc ccc 104  
 Leu Pro Gly Ser Asp Cys Ser Gln Ile Ile Asp His Ser His Val Pro  
 10 20

gag ttt gag gtg gcc acc tgg atc aaa atc acc ctt att ctg gtg tac 152  
 Glu Phe Glu Val Ala Thr Trp Ile Lys Ile Thr Leu Ile Leu Val Tyr  
 25 30 35

ctg atc atc ttc gtg atg ggc ctt ctg ggg aac agc gcc acc att cgg 200  
 Leu Ile Ile Phe Val Met Gly Leu Leu Gly Asn Ser Ala Thr Ile Arg  
 40 45 50

gtc acc cag gtg ctg cag aag aaa gga tac ttg cag aag gag gtg aca 248  
 Val Thr Gln Val Leu Gln Lys Lys Gly Tyr Leu Gln Lys Glu Val Thr  
 55 60 65

gac cac atg gtg agt ttg gct tgc tcg gac atc ttg gtg ttc ctc atc 296  
 Asp His Met Val Ser Leu Ala Cys Ser Asp Ile Leu Val Phe Leu Ile  
 70 75 80 85

ggc atg ccc atg gag ttc tac agc atc atc tgg aat ccc ctg acc acg 344  
 Gly Met Pro Met Glu Phe Tyr Ser Ile Ile Trp Asn Pro Leu Thr Thr  
 90 95 100

tcc agc tac acc ctg tcc tgc aag ctg cac act ttc ctc ttc gag gcc 392  
 Ser Ser Tyr Thr Leu Ser Cys Lys Leu His Thr Phe Leu Phe Ala  
 105 110 115

tgc agc tac acg ctg ctg cac gtg ctg aca ctc agc ttt gag cgc 440  
 Cys Ser Tyr Ala Thr Leu Leu His Val Leu Thr Leu Ser Phe Glu Arg  
 120 125 130

tac atc gcc atc tgt cac ccc ttc agg tac aag gct gtg tcg gga cct 488  
 Tyr Ile Ala Ile Cys His Pro Phe Arg Tyr Lys Ala Val Ser Gly Pro  
 135 140 145

tgc cag gtg aag ctg ctg att ggc ttc gtc tgg gtc acc tcc gcc ctg 536  
 Cys Gln Val Lys Leu Ile Gly Phe Val Trp Val Thr Ser Ala Leu  
 150 155 160 165

gtg gca ctg ccc ttg ctg ttt gcc atg ggt act gag tac ccc ctg gtg 584  
 Val Ala Leu Pro Leu Leu Phe Ala Met Gly Thr Glu Tyr Pro Leu Val  
 170 175 180

aac gtg ccc agc cac cgg ggt ctc act tgc aac cgc tcc agc acc cgc 632  
 Asn Val Pro Ser His Arg Gly Leu Thr Cys Asn Arg Ser Ser Thr Arg  
 185 190 195

cac cac gag cag ccc gag acc tcc aat atg tcc atc tgt acc aac ctc 680  
 His His Glu Gln Pro Glu Thr Ser Asn Met Ser Ile Cys Thr Asn Leu  
 200 205 210

tcc agc cgc tgg acc gtg ttc cag tcc agc atc ttc ggc gcc ttc gtg 728  
 Ser Ser Arg Trp Thr Val Phe Gln Ser Ser Ile Phe Gly Ala Phe Val  
 215 220 225

**FIGURE 1**

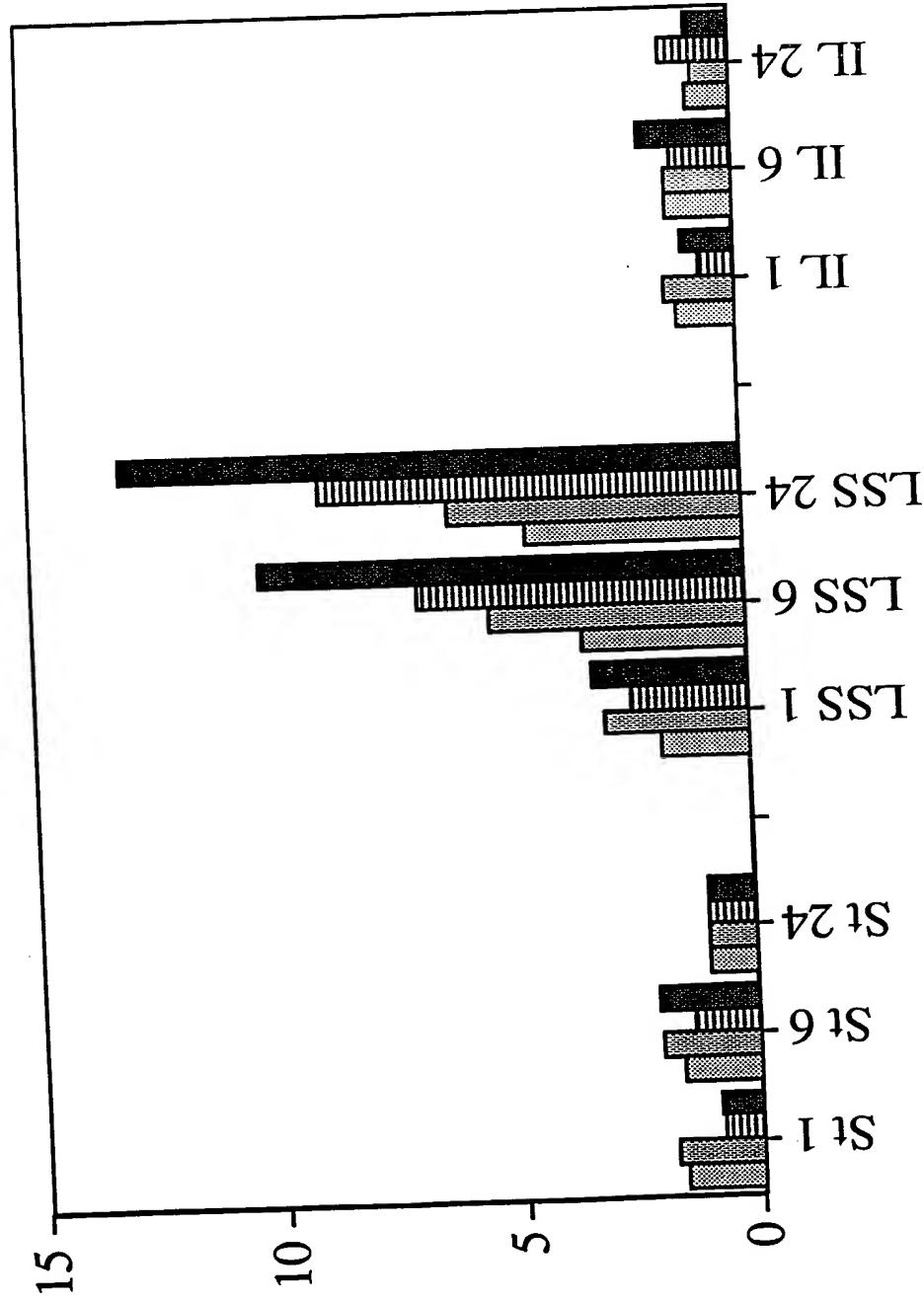
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atg cag gtg ctc atg aaa agc cag aag ggc tcg ctg gcc ggg ggc acg Met Gln Val Leu Met Lys Ser Gln Lys Gly Ser Leu Ala Gly Thr	824
250 255 260 265	
cgg cct ccg cag ctg agg aag tcc gag agc gaa gag agc agg acc gcc Arg Pro Pro Gln Leu Arg Lys Ser Glu Ser Glu Ser Arg Thr Ala	872
265 270 275 280	
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280 285 290 295	
gta tgc tgg atg ccc aac cag att cgg agg atc atg gct gcg gcc aaa Val Cys Trp Met Pro Asn Gln Ile Arg Arg Ile Met Ala Ala Lys	968
295 300 305 310	
ccc aag cac gac tgg acg agg tcc tac ttc cgg gcg tac atg atc ctc Pro Lys His Asp Trp Thr Arg Ser Tyr Phe Arg Ala Tyr Met Ile Leu	1016
310 315 320 325	
ctc ccc ttc tcg gag acg ttt ttc tac ctc agc tcg gtc atc aac ccg Leu Pro Phe Ser Glu Thr Phe Tyr Leu Ser Ser Val Ile Asn Pro	1064
330 335 340 345	
ctc ctg tac acg gtg tcc tcg cag cag ttt cgg cgg gtg ttc gtg cag Leu Leu Tyr Thr Val Ser Ser Gln Gln Phe Arg Arg Val Phe Val Gln	1112
345 350 355 360	
gtg ctg tgc cgc ctg tcg cag cac gcc aac cac gag aag cgc Val Leu Cys Cys Arg Leu Ser Leu Gln His Ala Asn His Glu Lys Arg	1160
360 365 370 375	
ctg cgc gta cat gcg cac tcc acc acc gac agc gcc cgc ttt gtg cag Leu Arg Val His Ala His Ser Thr Thr Asp Ser Ala Arg Phe Val Gln	1208
375 380 385 390	
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390 395 400 405	
gag aag att ttc tta agc act ttt cag agc gag gcc gag ccc cag tct Glu Lys Ile Phe Leu Ser Thr Phe Gln Ser Glu Ala Glu Pro Gln Ser	1304
410 415 420 425	
aag tcc cag tca ttg agt ctc gag tca cta gag ccc aac tca ggc gcg Lys Ser Gln Ser Leu Ser Leu Glu Ser Leu Glu Pro Asn Ser Gly Ala	1352
425 430 435 440	
aaa cca gcc aat tct gct gca gag aat ggt ttt cag gag cat gaa gtt Lys Pro Ala Asn Ser Ala Ala Glu Asn Gly Phe Gln Glu His Glu Val	1400
440 445 450 455	
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**FIGURE 1, CONT.**

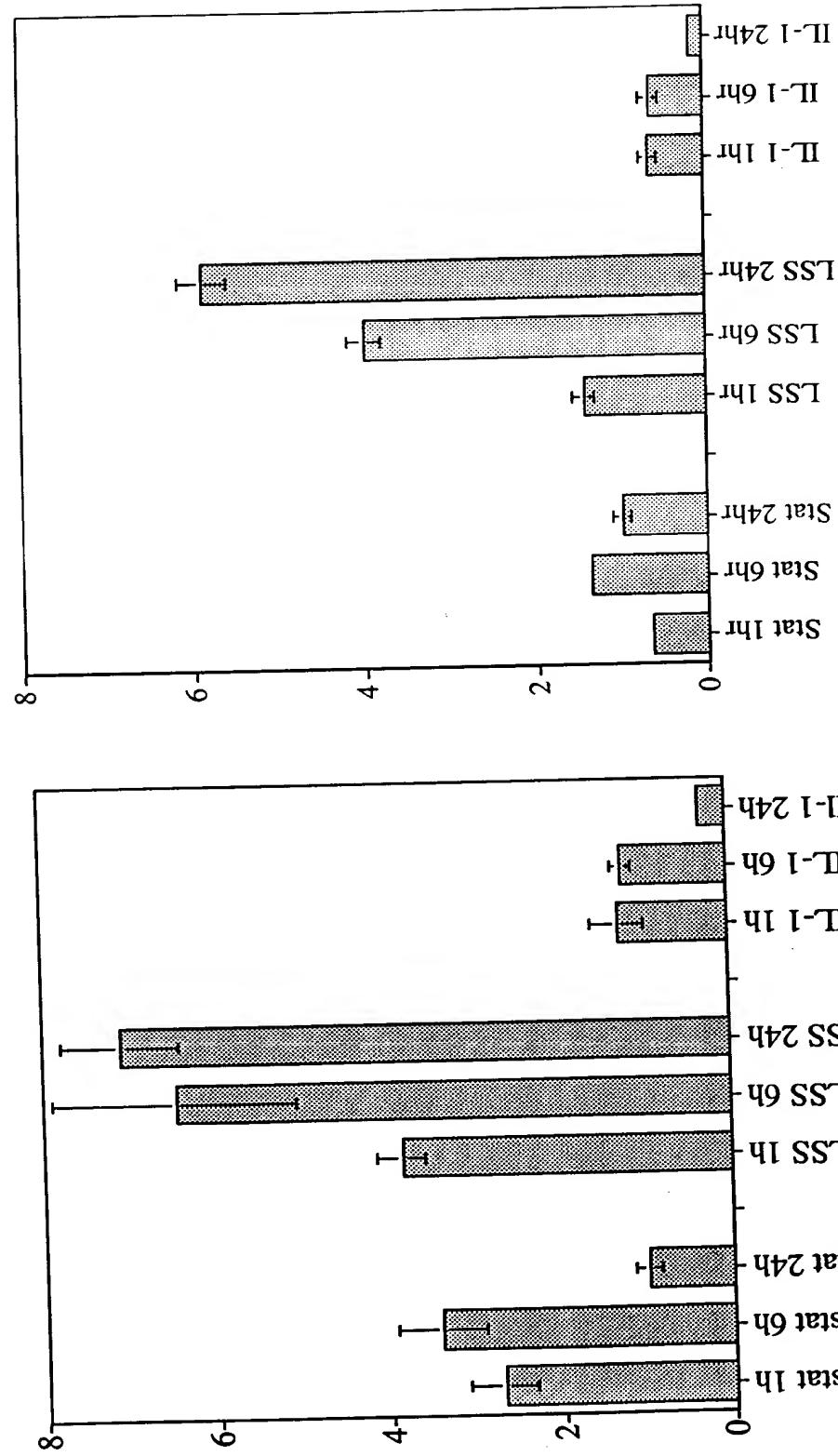
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ccttagggag catccatttc cgtggaaatc gcctcctaag cttagctcc tcttcaccct 2420  
tttctcccccc ggccacttct gggggcagct ctctcacgccc gggacgcaga tcatttaatt 2480  
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**FIGURE 1, CONT.**

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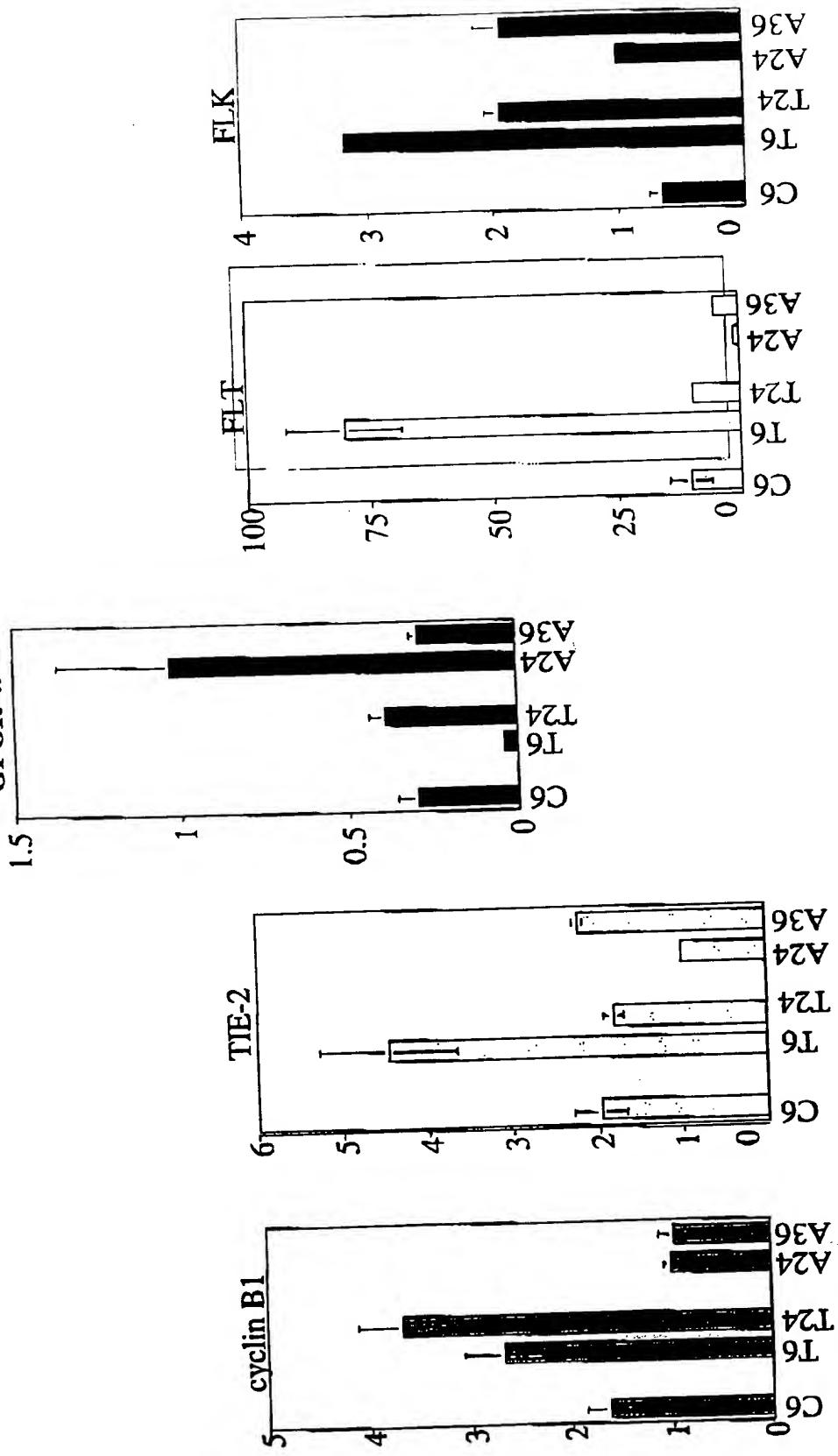


**FIGURE 2**



**FIGURE 3**

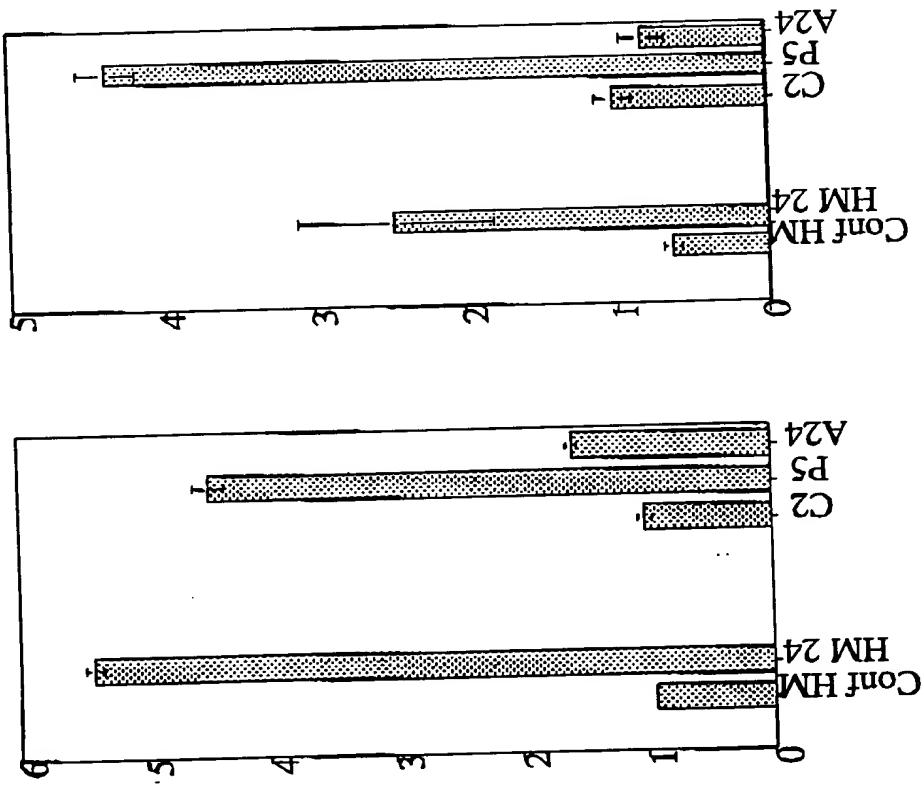
### GPCR 4941



**FIGURE 4**

4941

Cyclin B1  
4941



**FIGURE 5**

Abdominal fat pad area in mm<sup>2</sup> for ApoE KO 4941

### ApoE KO 4941

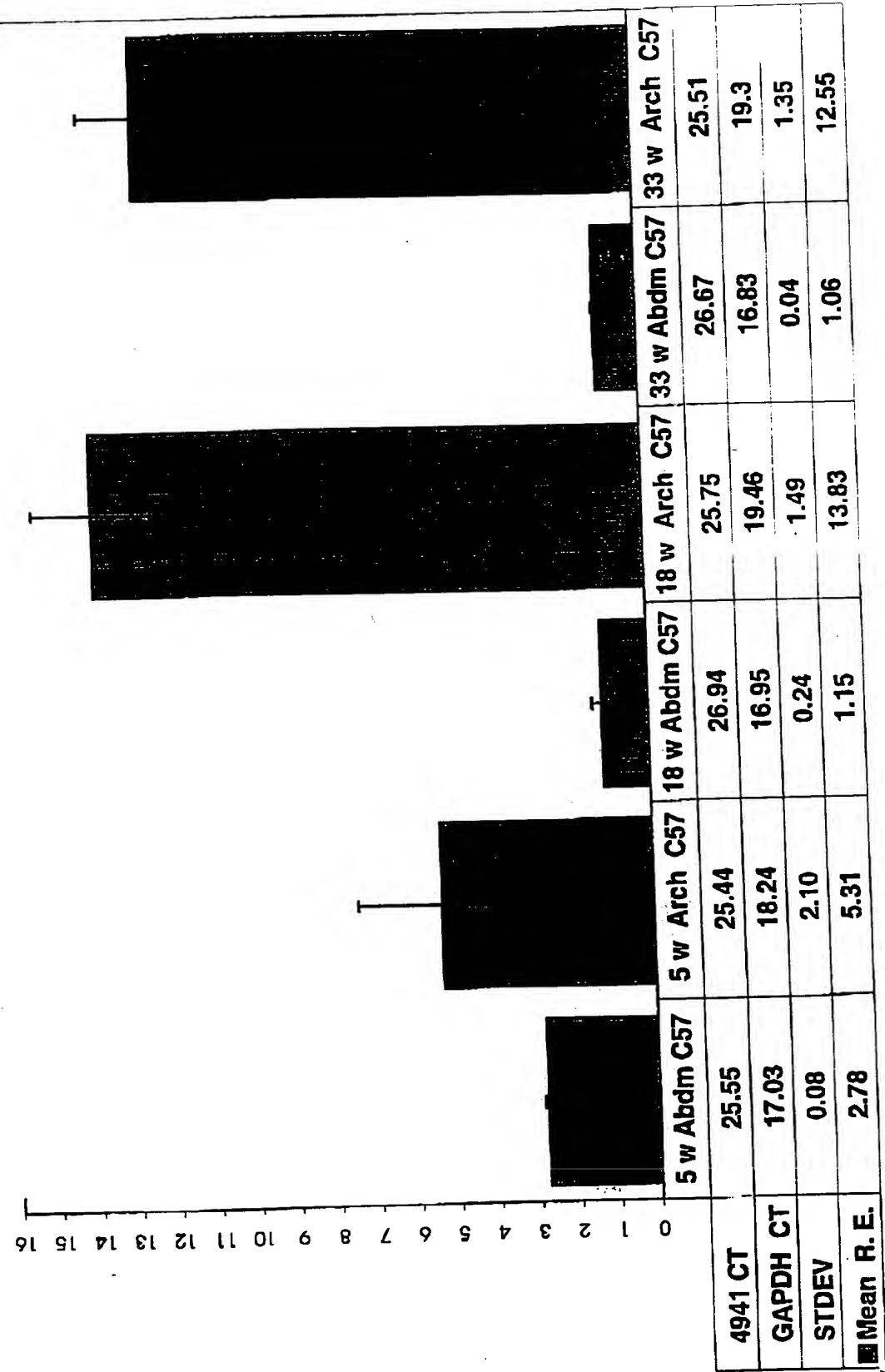
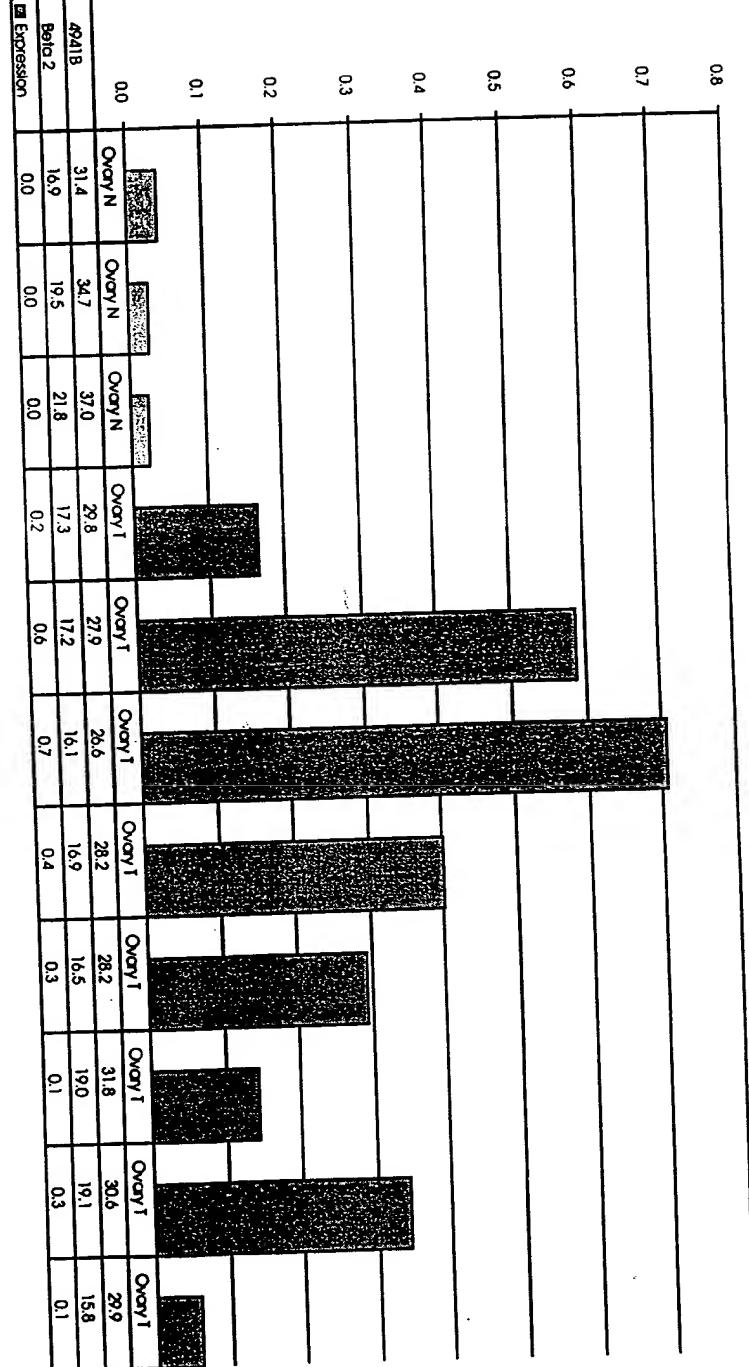
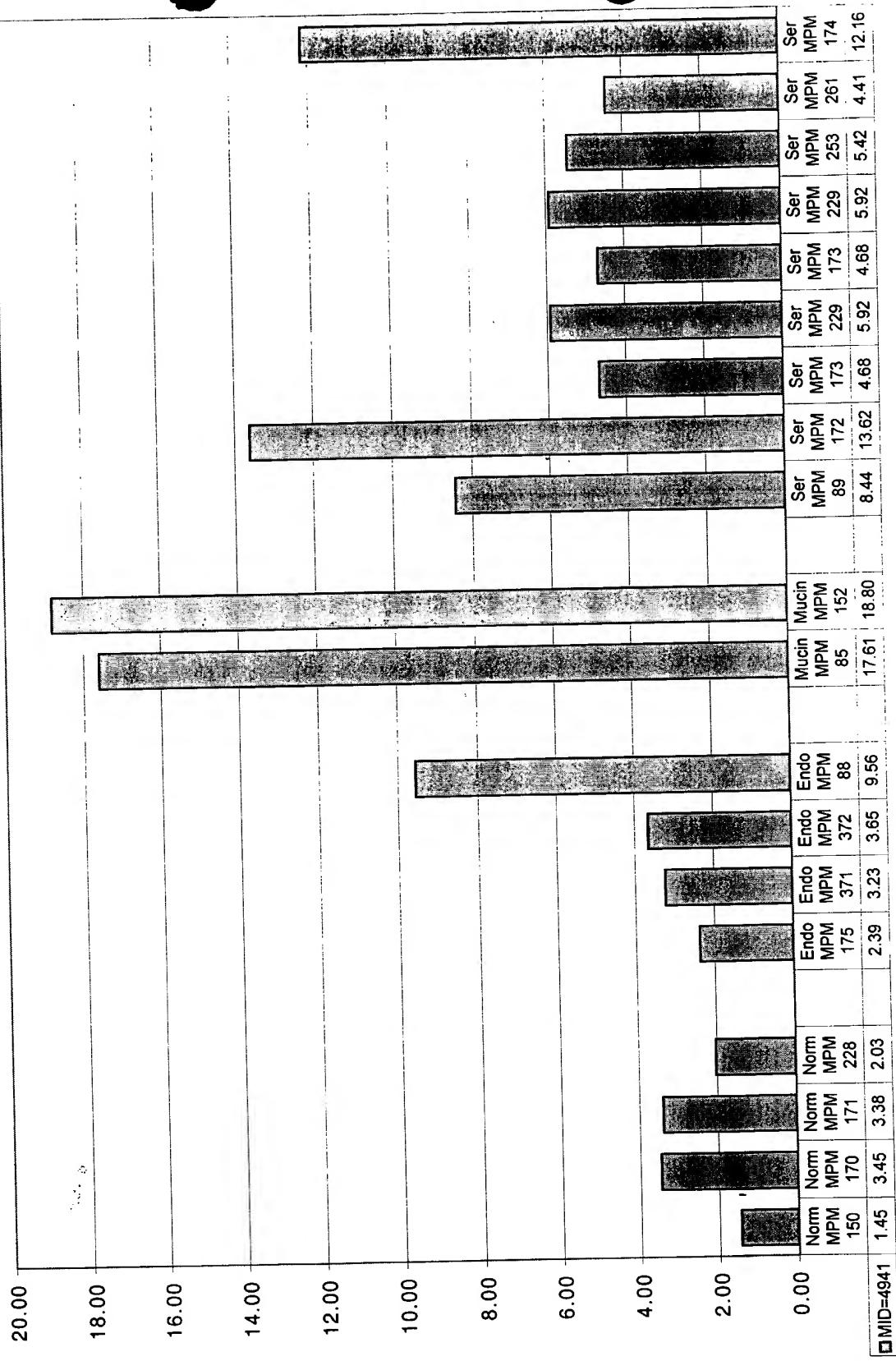


FIGURE 6



## **FIGURE 7A**

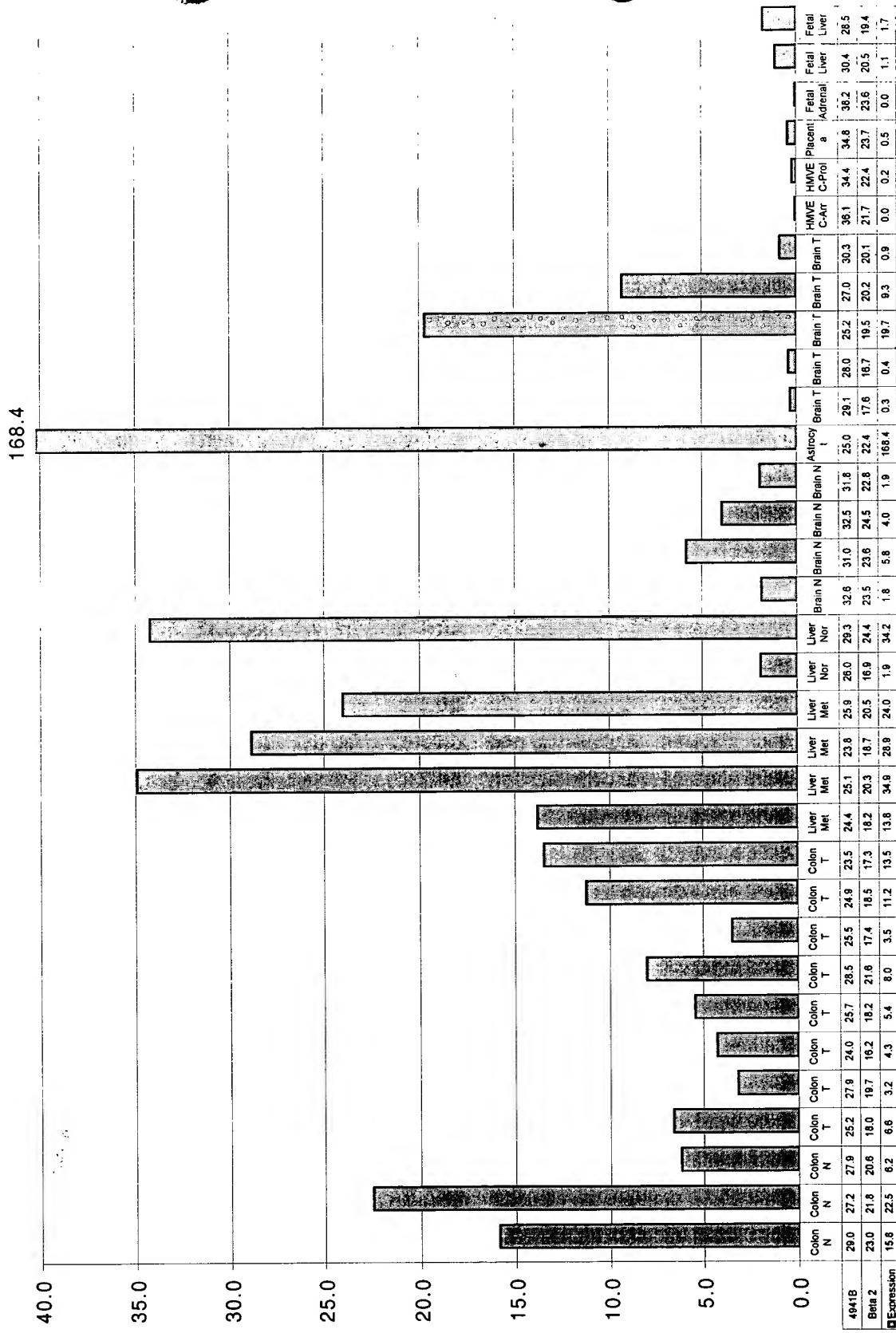


## FIGURE 7 B.

Figure 8A: Bar chart showing expression levels across various samples.



**FIGURE 8A**



## **FIGURE 8B**